

## Amendment to Claims

This Listing of Claims will replace all prior versions and listings of claims in the Application.

### **LISTING OF CLAIMS**

Claims 1-13 (Canceled)

Claims 14-23 (Withdrawn)

Claims 24-79 (Canceled)

80. (Currently Amended) A moisture curable adhesive, comprising:
- a) a polymer or copolymer having reactive silicon end groups;
  - b) from about .01 to about 50 percent by weight of a clear filler that will not substantially interfere with the production of clear adhesive selected from both of: i) fumed silica with a surface area of less than 150 m<sup>2</sup>/gram, and ii) clear filler selected from glass microbeads, glass fibers, clear polymer fibers, clear polymer microbeads, clear polymer powders, [[and]] or combinations thereof having a surface area from 75 to less than 250 m<sup>2</sup>/gram; and
  - c) from about 0.01 to about 10 percent by weight of a dehydrating agent; and
- wherein the moisture curable adhesive has a viscosity from about 1,000 to about 200,000 centipoise and a glass transition temperature of less than about -20 °C., and a service temperature range of about -60°C to about 160 °C.
81. (Previously submitted) The moisture curable adhesive in claim 80, wherein the clear filler is fumed amorphous silica.

82. (Previously submitted) The moisture curable adhesive in claim 80, wherein the polymer or copolymer having reactive silicon end groups is present in an amount of about 50 to about 90 percent by weight.
83. (Currently Amended) The moisture curable adhesive in claim 80, wherein the polymer or copolymer having reactive silicon end groups has reactive silicon end groups selected from triethoxysilane, methyldiethoxysilane, trisilanol, [[alkoxysilane, multi-silanol,]] or combinations thereof.
84. (Previously submitted) The moisture curable adhesive in claim 80, wherein the amount of filler is from about 5 to about 20 percent by weight.
85. (Previously submitted) The moisture curable adhesive in claim 80, wherein the filler includes a filler having a surface area of less than 75 m<sup>2</sup>/gram
86. (Cancelled)
87. (Previously submitted) The moisture curable adhesive in claim 80, wherein the adhesive further comprises at least one of a catalyst; anti-oxidants, lubricants, extenders, biocides, adhesion promoters, UV absorbers and stablizers.
88. (Currently amended) The moisture curable adhesive in claim [[80]] 87, wherein the catalyst is present in an amount from about 0.01 to about 2.5 percent by weight.
89. (Previously submitted) The moisture curable adhesive in claim 80, wherein the dehydrating agents is selected from vinyl trimethoxysilane, any vinyl alkoxysilane, or inorganic or organic zeolites.
90. (Currently Amended) The moisture curable adhesive in claim [[80]] 87, wherein an adhesion promoter is present in an amount of about 0.01 to about 5 % by weight.

91. (Previously submitted) A moisture curable adhesive, comprising:
- a) a polymer or copolymer having reactive silicon end groups;
  - b) from about .01 to about 50 percent by weight of a blend of fumed amorphous silica fillers one having a surface area of 50 m<sup>2</sup>/gram and another one having a surface area of 110 m<sup>2</sup>/gram; and
  - c) from about 0.01 to about 10 percent by weight of a dehydrating agent; and
  - d) where the viscosity of the adhesive is in the range of 1,000 to about 200,000 centipoise.
92. (Currently Amended) A moisture curable adhesive, comprising:
- a) polymer selected from polyalkyl oxide; polyalkane, alkene, alkyne; polymers of [[alkyl monomers of]] styrene, or polymers of acrylics and having reactive silicon end groups;
  - b) from about .01 to about 50 percent by weight of a blend of clear fillers selected from: i) fumed silica with a surface area of less than 150 m<sup>2</sup>/gram, and ii) a clear filler having a surface area from 75 to less than 250 m<sup>2</sup>/gram; and
  - c) from about 0.01 to about 10 percent by weight of a dehydrating agent; and
- wherein the moisture curable adhesive has a viscosity from about 1,000 to about 200,000 centipoise and a glass transition temperature of less than about -20 °C., and a service temperature range of about -60°C to about 160 °C.
93. (Previously submitted) The moisture curable adhesive in claim 92, wherein the polymer or copolymer having reactive silicon end groups is present in an amount of about 65 to about 85 percent by weight.
94. (Previously submitted) The moisture curable adhesive in claim 92, wherein the polymer having reactive silicon end groups is polypropylene oxide.

95. (Previously submitted) The moisture curable adhesive in claim 92, wherein the clear filler is selected from the group of: fillers that have an index of refraction within about 30% of that of the adhesive, fillers that have an index of refraction within about 20% of that of the adhesive, fillers that have an index of refraction within 10% of that of the adhesive, and fillers that have an index of refraction within 5% of that of the adhesive.

96. - 102 (Cancelled)

103. (New) A moisture curable adhesive, comprising:

- a) polymer or copolymer selected from polyalkyl oxide; polyalkane, alkene, alkyne; polymers of styrene, or polymers of acrylics and having reactive silicon end groups of silyl end groups from triethoxysilane, methyldiethoxysilane, trisilanol, or combinations thereof;
  - b) about 5 to about 90 weight percent of a filler having fumed silica with a surface area of less than 250 m<sup>2</sup>/gram;
  - c) about 0.01 to about 10 percent by weight of a dehydrating agent;
  - d) about 0.01 to about 2.5 percent by weight of a catalyst, and
- wherein the moisture curable adhesive has a viscosity from about 1,000 to about 500,000 centipoise and a glass transition temperature of less than about -20 °C., and a service temperature range of about -60°C to about 160 °C.

104. (New) The moisture curable adhesive in claim 103, wherein the adhesive has a viscosity of from about 1,000 to about 200,000 centipoise.

105. (New) The moisture curable adhesive in claim 103, wherein the amount of filler is from about 20 to about 85 percent by weight.

106. (New) The moisture curable adhesive in claim 103, wherein the amount of filler is from about 35 to about 85 percent by weight.

107. (New) The moisture curable adhesive in claim 103, wherein the amount of filler is from about 43 to about 85 percent by weight.
108. (New) The moisture curable adhesive in claim 103, wherein the amount of filler is from about 60 to about 85 percent by weight.
109. (New) The moisture curable adhesive in claim 103, wherein the filler includes a filler having a surface area of less than 150 m<sup>2</sup>/gram.
110. (New) The moisture curable adhesive in claim 103, wherein the filler includes a filler having a surface area of less than 75 m<sup>2</sup>/gram.
111. (New) The moisture curable adhesive in claim 103, wherein the filler includes a filler having a surface area of less than 50 m<sup>2</sup>/gram.
112. (New) The moisture curable adhesive in claim 103, wherein the filler with the surface area less than 250 m<sup>2</sup>/grams is fumed amorphous silica.
113. (New) The moisture curable adhesive in claim 112, wherein the filler is amorphous fumed silica having a surface area of less than 150 m<sup>2</sup>/gram present in an amount from 7.08 to about 40 weight percent and the moisture curable adhesive is clear.
114. (New) The moisture curable adhesive in claim 103, which further includes calcium carbonate as a filler.
115. (New) The moisture curable adhesive in claim 103 which has further fillers selected from: zinc oxide; reinforcing, semi-reinforcing, and non-reinforcing carbon blacks; white carbon; expanded graphite powders; powdery graphite; crystalline silica; molten silica; silicates; chalk; calcium carbonate, limestone; talc; mica; alumina; aluminum hydroxide; zirconia; titanium dioxide; wollastonite; feldspar; aluminum silicate; solid ceramic microspheres, hollow

ceramic and plastic spheres; metal powders and microbeads; wood flour; dolomite; organic or inorganic pigments, or combinations thereof.

116. (New) The moisture curable adhesive in claim 103, wherein the adhesive further comprises at least one of anti-oxidants, lubricants, extenders, biocides, adhesion promoters, UV absorbers and stabilizers.
117. (New) The moisture curable adhesive in claim 103, wherein the dehydrating agents is selected from vinyl trimethoxysilane, any vinyl alkoxysilane, or inorganic or organic zeolites.
118. (New) The moisture curable adhesive in claim 103, which includes an adhesion promoter is present in an amount of about 0.01 to about 5 % by weight.
119. (New) The moisture curable adhesive in claim 103, which includes an anti-oxidant present in an amount from about 0.01 to about 4 % by weight.
120. (Previously Presented) The moisture curable adhesive in claim 103, wherein the polymer or copolymer having reactive silicon end groups is present in an amount of about 10 to about 50 percent by weight.
121. (New) The moisture curable adhesive in claim 103, wherein the polymer or copolymer having reactive silicon end groups has reactive silicon end groups selected from triethoxysilane, methyldiethoxysilane, trisilanol or combinations thereof.
122. (New) The moisture curable adhesive in claim 103, wherein the polymer or copolymer having reactive silicon end groups is present in an amount of about 50 to about 90 percent by weight.

123. (New) The moisture curable adhesive in claim 91, wherein the adhesive further comprises at least one of a catalyst; anti-oxidants, lubricants, extenders, biocides, adhesion promoters, UV absorbers and stabilizers.
124. (New) The moisture curable adhesive in claim 123, wherein the catalyst is present in an amount from about 0.01 to about 2.5 percent by weight.
125. (New) The moisture curable adhesive in claim 123, wherein the adhesion promoter is present in an amount of about 0.01 to about 5 % by weight.
126. (New) The moisture curable adhesive in claim 125, wherein the adhesion promoter is selected from N-(beta-aminoethyl)-gamma-aminopropyltrimethoxysilane, N-(beta-aminoethyl)-gamma-aminopropyldimethoxymethylsilane, or gamma-glycidoxpropyltrimethoxysilane.
127. (New) A clear moisture curable adhesive, comprising:
- b) about 50 to about 90 percent by weight polymer or copolymer from polyalkyl oxide; polyalkane, polyalkene, polyalkyne; polymers of alkyl monomers of styrene, or polymers of acrylics and having reactive silicon end groups from triethoxysilane, methyldiethoxysilane, trisilanol, or combinations thereof;
  - c) about 5 to about 50 weight percent of a filler having fumed silica with a surface area of less than 250 m<sup>2</sup>/gram; wherein the filler has an index of refraction that is within about 30% of that of the adhesive;
  - d) about 0.01 to about 10 percent by weight of a dehydrating agent;
  - e) about 0.01 to about 2.5 percent by weight of a catalyst, and
- wherein the moisture curable adhesive has a viscosity from about 1,000 to about 500,000 centipoise and a glass transition temperature of less than about -20 °C.

128. (New) The moisture curable adhesive in claim 127, wherein the amount of filler is from about 20 to about 50 percent by weight.
129. (New) The moisture curable adhesive in claim 127, wherein the dehydrating agents is selected from vinyl trimethoxysilane, any vinyl alkoxysilane, or inorganic or organic zeolites.
130. (New) The moisture curable adhesive in claim 127, wherein the adhesive further comprises at least one of anti-oxidants, lubricants, extenders, biocides, adhesion promoters, UV absorbers, and stablizers.
131. (New) The moisture curable adhesive in claim 130, wherein the adhesion promoter is present in an amount of about 0.01 to about 5 % by weight.
132. (New) The moisture curable adhesive in claim 130, wherein the anti-oxidant is present in an amount from about 0.01 to about 4 % by weight.
133. (New) The moisture curable adhesive in claim 127, wherein the filler has a surface area of less than  $150 \text{ m}^2/\text{gram}$ .
134. (New) The moisture curable adhesive in claim 103, wherein the filler has a surface area of less than  $75 \text{ m}^2/\text{gram}$ .
135. (New) The moisture curable adhesive in claim 103, wherein the filler has a surface area of less than  $50 \text{ m}^2/\text{gram}$ .
136. (New) The moisture curable adhesive in claim 103, wherein the filler with the surface area less than  $250 \text{ m}^2/\text{grams}$  is fumed amorphous silica.
137. (New) A moisture curable adhesive, comprising:
- a) a polymer or copolymer having reactive silicon end groups;



- b) from about .01 to about 50 percent by weight of a blend of clear fillers that will not substantially interfere with the production of clear adhesive where one of the fillers of the blend has a surface area of 50 m<sup>2</sup>/gram and another filler of the blend has a surface area of 110 m<sup>2</sup>/gram; and
- c) from about 0.01 to about 10 percent by weight of a dehydrating agent; and wherein the moisture curable adhesive has a viscosity from about 1,000 to about 200,000 centipoise and a glass transition temperature of less than about -20 °C., and a service temperature range of about -60°C to about 160 °C.